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IN THE CLAIMS

- 1 1 (amended). A water sanitizing apparatus comprising:
- 2 a body containing a series of vertical, water-carrying tubes circularly
- arranged around a hollow central region. 3
- 4 a base for said body,
- a top cap for said body, said base and said top cap configured to 5
- 6 channel a flow of water through said water-carrying tubes so that said flow of
- water flow is alternately upward and downward through said water-carrying 7
- 8 tubes, with a last of said tubes channeling said flow of water into said hollow
- central region, 9
- 10 a bubble separator in said hollow central region,
- 11 an ozone generator in said hollow central region, A
- a mixing device coupled to provide ozone from said ozone generator to 12
- said flow of water. 13
- 1 2. (newly added). A water sanitizing apparatus as set forth in claim 1 wherein
- said mixing device is a venturi incorporated in said base. 2
- 3 (newly added). A water sanitizing apparatus as set forth in claim 1 wherein 1
- 2 said ozone generator further comprises:
- 3 an ultraviolet light transparent enclosure extending into said flow of
- water in said hollow central region, 4
- 5 an ultraviolet lamp in said ultraviolet light-transparent enclosure,

- an air inlet into said ultraviolet light-transparent enclosure,
- 7 an air/ozone outlet from said ultraviolet light-transparent enclosure,
- 8 said air/ozone outlet coupled to said mixing device,
- 9 whereby air and ozone is provided to said mixing device where said air
- 10 and ozone is mixed into said flow of water, with a mixture of said air, ozone and
- water being exposed to ultraviolet light in said hollow central region.
- 1 4 (newly added). A water sanitizing apparatus as set forth in claim 3 wherein
- 2 said ultraviolet light transparent enclosure is transparent to wavelengths of
- 3 ultraviolet light of about 254 nm.

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- 1 5 (newly added). A water sanitizing apparatus as set forth in claim 3 wherein
- 2 said air inlet further comprises a tube extending into said ultraviolet light
- 3 transparent enclosure to a point near an end of said tube so that air from said
- 4 air inlet is moved the length of said ultraviolet lamp to said air/ozone outlet.
- 1 6 (newly added). A water sanitizing apparatus as set forth in claim 5 wherein
- 2 said bubble separator further comprises a valve coupled to said air inlet and to
- 3 an interior of said hollow central region, said valve responsive to a water level
- 4 in said hollow central region so that when said water level rises to a
- 5 predetermined level, said valve is opened to admit gasses in said hollow central
- 6 region into said ultraviolet light transparent enclosure.

- 1 7 (newly added). An assembly for purifying water as set forth in claim 1
- wherein said body is an extrusion that may be cut to length for any particular
- 3 application.
- 1 8 (newly added). An assembly asset forth in claim 7 wherein said body further
- 2 comprises at least one elongated tubular dry region within which electrical
- 3 components for said assembly are located.
- 9 (newly added). An assembly for purifying water for spas, hot tubs,
- 2 swimming pools and the like comprising:
- 3 an extruded body having a plurality of vertical, elongated water-
- 4 carrying channels,
- a top cap and a base for said body, said top cap and said base
- 6 cooperating between a water inlet and a water outlet to develop a water flow
- 7 through said water-carrying channels that alternates in upward and downward
- 8 directions between adjacent said water-carrying channels,
- An ozone generator mounted in a last of said water-carrying channels.
- a bubble separator mounted in said last of said water carrying
- 11 channels,
- a mixing device mounted in said water inlet to receive said water flow.
- 13 and coupled to said ozone generator for mixing at least ozone in said water
- 14 flow,

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- 1 10 (newly added). An assembly for purifying water as set forth in claim 9
- 2 wherein said mixing device is a venturi constructed as a pair of inserts and a
- 3 central disc mounted in a bore of said water inlet, said pair of inserts and said
- 4 disc being interchangable with other inserts and discs to change operational
- 5 characteristics of said venturi.
- 1 11 (newly added). An assembly for purifying water as set forth in claim 10
- 2 wherein said ozone generator further comprises:
- an ultraviolet transparent enclosure in said water flow,
- an ultraviolet lamp producing ultraviolet light at wavelengths of 185
- 5 nm and 254 nm, said lamp scalably mounted in said enclosure,
- an air inlet and an air outlet each coupled to an interior of said
- 7 enclosure.
- 1 12 (newly added). An assembly for purifying water as set forth in claim 11
- 2 wherein said ultraviolet transparent enclosure is transparent only to said
- 3 ultraviolet light of a wavelength of 254 nm for disassociating ozone in said
- 4 water flow and for killing microbiota in said flow of water.
- 1 13 (newly added). An assembly for purifying water as set forth in claim 12
- 2 wherein said bubble separator further comprises a valve having an inlet
- 3 coupled to receive gasses in said bubble separator, and an outlet coupled to
- 4 provide said gasses to said ozone generator, said valve responsive to a water

- 5 level in said last of said water carrying channels rising to a predetermined level.
- 1 14 (newly added). An assembly for purifying water as set forth in claim 13
- 2 wherein said predetermined level of said water level is determined by a float.
- 1 15 (newly added). An assembly for purifying water as set forth in claim 12
- 2 wherein said water level in said last of said water carrying channels partially
- 3 submerges said ultraviolet transparent enclosure so that both water and
- 4 gasses in said last of said water carrying channels receive said ultraviolet light
- 5 of a wavelength of 254 nm.